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PHOTOGRAPHIC INTERPRETATION REPORT

IPIR

[redacted]

GLASS LAMP MISSION G-923
7 NOVEMBER 1966

NPIC/R-371/66
NOVEMBER 1966

Declass Review By NIMA/DOD

GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

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WARNING

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PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-923, 7 NOV 66. THE NUMBER AT THE RIGHT MARGIN OF THE HEADER LINE IS THE COMOR TARGET NUMBER.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS-- C (CLEAR), SC (SCATTERED CLOUD COVER), HC (HEAVY CLOUD COVER), H (HAZE), CS (CLOUD SHADOW), SD (SEMIDARKNESS), GC (GROUND COVER), CF (CAMOUFLAGE), O (OBLIQUITY), AND GR (GROUND RESOLUTION).

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G (GOOD), F (FAIR), OR P (POOR). THE EXTENT OF TARGET COVERAGE IS DENOTED BY THE SYMBOLS T (TOTAL) OR PT (PARTIAL). THE MODE OF COVERAGE IS SIGNIFIED BY ST (STEREO), NS (NONSTEREO), OR PS (PARTIAL STEREO).

AAA DEFENSES ARE DIVIDED INTO THREE BASIC CATEGORIES -- LIGHT (ZPU-2, ZPU-4, AND 37MM), MEDIUM (57MM AND 85MM), AND HEAVY (100MM AND LARGER). WHERE SUCH A CATEGORY CANNOT BE DETERMINED, THE SITE WILL BE LISTED AS AN AAA SITE AND THE NUMBER OF GUNS INDICATED (EXAMPLE 6-GUN AAA SITE, OCCUPIED/UNOCCUPIED).

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25X1

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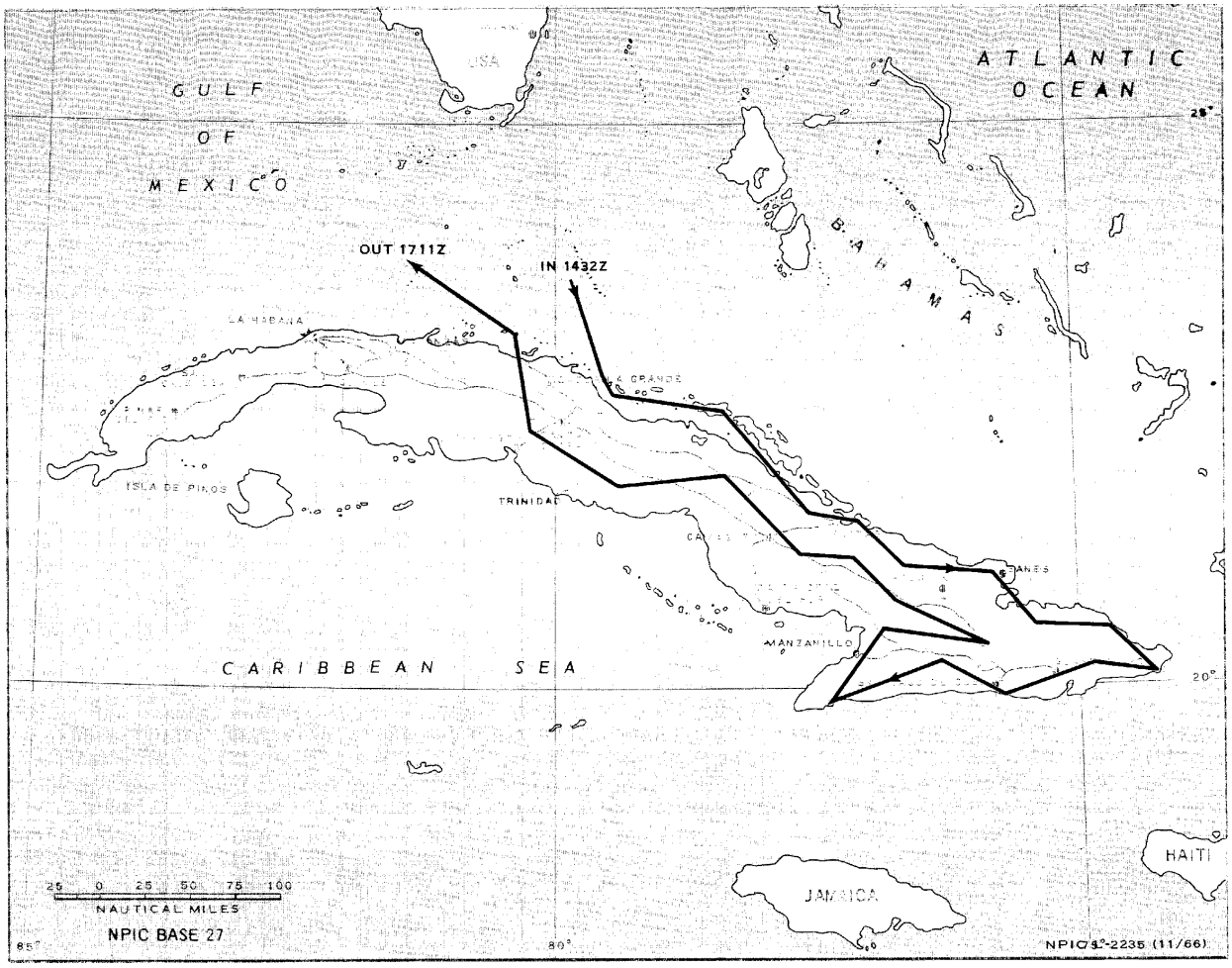

APPROXIMATE TRACK OF GLASS LAMP MISSION G-923, 7 NOVEMBER 1966.

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ITEMS OF SPECIAL INTEREST

A LIGHT LEAK OF UNDETERMINED ORIGIN DEGRADED APPROXIMATELY 25 PERCENT OF EACH FRAME. EACH 18 X 18 FORMAT CONTAINS CONCENTRIC CIRCLES ABOUT THE PRINCIPLE POINT OF THE FORMAT -- POSSIBLY CAUSED BY A REFLECTION FROM THE REAR ELEMENT OF THE LENS. THESE CIRCLES FURTHER REDUCE THE PHOTO INTERPRETATION.

25X1A

MISSILES

HOLGUIN SAM SITE B27-2 CU 2052N 07627W

OB -- 6 EMPLACED LAUNCHERS (3 WITH MISSILES), 9 MISSILE TRANSPORTERS, A FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, 7 OTHER VEHICLES, AND 2 OTHER VAN TRAILERS.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D

HOLGUIN AIRFIELD SAM SITE CU 2046N 07619W

OB -- 6 EMPLACED LAUNCHERS (AT LEAST 2 WITH MISSILES), 3 MISSILE TRANSPORTERS (1 WITH EXPOSED MISSILE), A PROBABLE FAN SONG RADAR, AND 3 VAN TRUCKS.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D

MALDONADO SAM SITE A18-2 CU 2012N 07528W

OB -- 6 EMPLACED LAUNCHERS (3 WITH MISSILES), AT LEAST 4 MISSILE TRANSPORTERS WITH EXPOSED MISSILES, A GUIDANCE RADAR WITH AT LEAST 4 ASSOCIATED VAN TRAILERS, AND 18 OTHER VEHICLES.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D

SANTIAGO DE CUBA SAM SITE A23-2 CU 1959N 07550W

OB -- AT LEAST 5 EMPLACED LAUNCHERS (4 WITH MISSILES), 10 MISSILE TRANSPORTERS (5 WITH EXPOSED MISSILES), A GUIDANCE RADAR WITH SHED-COVERED ASSOCIATED EQUIPMENT, 1 CARGO TRUCK, AND 7 OTHER VEHICLES.

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ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D [redacted]

25X1A

SANTIAGO DE CUBA SAM ASSEMBLY AREA CU 2004N 07553W

OB -- 11 MISSILE TRANSPORTERS (2 WITH EXPOSED MISSILES AND 3 CANVAS COVERED), NUMEROUS MISSILE CANISTERS, 4 FLATBED TRACTOR-TRAILER TRUCKS, 7 CARGO TRUCKS, 3 VAN TRUCKS, 2 TRUCK-MOUNTED CRANES, 1 UTILITY TRUCK, AND 2 OTHER VEHICLES.
NO APPARENT CHANGE IN FACILITIES.

25X1D [redacted]

SANTIAGO SAM TRAINING AREA CU 1958N 07551W

OB -- 6 CARGO TRUCKS, 29 VAN TRUCKS, 3 UTILITY TRUCKS, AND 3 PROBABLE GENERATORS.
NO APPARENT CHANGE IN FACILITIES.

25X1D [redacted]

PALMA SORIANO SAM SITE A02-2 CU 2015N 07559W

OB -- 6 EMPLACED LAUNCHERS (2 WITH MISSILES), 6 MISSILE TRANSPORTERS (5 WITH EXPOSED MISSILES), A FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, A PROBABLE SPOON REST RADAR WITH 2 ASSOCIATED VAN TRAILERS, 1 PROBABLE TRACKED PRIME MOVER, 3 CARGO TRUCKS, AND 3 OTHER VAN TRAILERS.
ACTIVITY -- 1 OCCUPIED 6-GUN LIGHT AAA SITE.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D [redacted]

CONSTANCIA SAM SITE A10-2 CU 2214N 08030W

SITE APPEARS OCCUPIED.
OBLIQUITY LIMITS INTERPRETATION.

25X1D [redacted]

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25X1A

LA VEGUITA SAM ASSEMBLY AREA CU 2049N 07615W

OB -- 16 VEHICLES/PIECES OF EQUIPMENT OBSERVED.
NO APPARENT CHANGE IN FACILITIES.

25X1D [redacted]

SAN PEDRO DE CACOCUM SAM SITE 1 CU 2047N 07615W

OB -- 6 EMPLACED LAUNCHERS (3 WITH MISSILES), 10 MISSILE TRANSPORTERS (4 WITH EXPOSED MISSILES), A FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, 3 OTHER VAN TRAILERS, AND 3 OTHER VEHICLES/PIECES OF EQUIPMENT.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D [redacted]

SAN PEDRO DE CACOCUM SAM SITE 2 CU 2045N 07615W

SITE APPEARS TO BE IN MID-TO-LATE STAGE OF CONSTRUCTION. NO MISSILES OR MISSILE-RELATED EQUIPMENT OBSERVED.
NO APPARENT CHANGE IN SUPPORT FACILITIES.

25X1D [redacted]

LA MAYA SAM SITE CU 2014N 07540W

NO APPARENT CHANGE IN CONSTRUCTION STATUS SINCE [redacted]

25X1D [redacted]

OB -- NONE OBSERVED.

25X1D [redacted]

25X1D

AIR FACILITIES

CAMAGUEY INTERNATIONAL AIRFIELD CU 2125N 07750W

OB -- 1 C-46, 3 COLT, 1 MORAVA L-200, AND 13 HOUND.

25X1D [redacted]

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25X1A

HOLGUIN AIRFIELD CU 2047N 07618W

OB -- 5 FAGOT/FRESCO AND 1 PROBABLE HOUND.

25X1D

LOS CANOS AIRFIELD CU 2005N 07509W

OB -- 2 COLT.

25X1D

ANTONIO MACEO AIRFIELD CU 1958N 07550W

OB -- 1 C-46 AND 5 LIAISON.

25X1D

BAYAMO AIRFIELD EAST CU 2022N 07637W

OB -- 2 COLT OBSERVED IN CLOUD-FREE AREAS.

25X1D

CAIBARIEN AIRFIELD CU 2230N 07928W

OB -- NONE OBSERVED.

25X1D

BAYAMO AIRFIELD CU 2023N 07637W

OB -- NONE OBSERVED IN CLOUD-FREE AREAS.
ACTIVITY -- NE END OF RUNWAY IS BEING PAVED WITH ASPHALT.

25X1D

CIEGO DE AVILA AIRFIELD CU 2150N 07844W NO COMOR

OB -- 5 COLT, 4 CREEK, 1 HOUND, AND 15 POSSIBLE CREEK FUSELAGES.

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25X1D [redacted]

25X1A

NAVAL ACTIVITY/PORTS

CIENFUEGOS NAVAL BASE CU 2208N 08027W

CAYO LOCO CLOUD COVERED.
VESSELS -- 2 LARGE FREIGHTERS.

25X1D [redacted]

SANTIAGO DE CUBA NAVAL BASE AND PORT CU 2001N 07550W

OB -- 1 YP.
OTHER VESSELS -- 6 LARGE FREIGHTERS.

25X1D [redacted]

MANZANILLO PORT CU 2021N 07707W

VESSELS -- NONE OBSERVED.

25X1D [redacted]

NUEVITAS PORT CU 2132N 07715W

VESSELS -- 2 LARGE FREIGHTERS.

25X1D [redacted]

CAIBARIEN PORT CU 2231N 07928W

VESSELS -- NONE OBSERVED.

25X1D [redacted]

CASILDA PORT CU 2145N 07959W

VESSELS -- NONE OBSERVED.

25X1D [redacted]

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25X1A

ELECTRONICS/COMMUNICATIONS

HOLGUIN EW/GCI RADAR SITE CU 2048N 07618W

OB -- 1 BAR LOCK, 1 ROCK CAKE/STONE CAKE, AND 1 FLAT FACE RADAR.

25X1D [redacted]

SANTIAGO DE CUBA EW/GCI RADAR SITE CU 1959N 07551W

OB -- NONE OBSERVED.
ACTIVITY -- 16 TRACKED PRIME MOVERS, 32 CARGO TRUCKS, 13 VAN TRUCKS, 1 UTILITY TRUCK, 13 OTHER VEHICLES, AND 2 VAN TRAILERS.
NO APPARENT CHANGE IN FACILITIES.

25X1D [redacted]

SANTIAGO DE CUBA EW/GCI RADAR SITE 2 CU 2005N 07551W

OB -- 1 TOKEN-TYPE RADAR.

25X1D [redacted]

CABO CRUZ LOW SIEVE RADAR SITE CU 1950N 07743W

OB -- 1 LOW SIEVE RADAR.

25X1D [redacted]

LA SOCAPA LOW SIEVE RADAR SITE CU 1958N 07552W

OB -- 1 LOW SIEVE RADAR.

25X1D [redacted]

MILITARY ACTIVITY

ALTO CEDRO MILITARY CAMP CU 2029N 07600W

OB -- 19 PROBABLE TANKS/SP GUNS, 7 PROBABLE BTR 60-P, 44 FA PIECES/MORTARS, 138 CARGO TRUCKS, AND 61 OTHER VEHICLES/PIECES OF EQUIPMENT.

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NO APPARENT CHANGE IN FACILITIES.

25X1D [redacted]

25X1A

GUANTANAMO AREA CU 2018N 07525W

NO NEW MILITARY ACTIVITY OBSERVED IN CLOUD-FREE AREAS.
AREAS 1,3 AND 9 -- 25 PERCENT USEABLE COVERAGE.
AREAS 2,5 AND 7 -- 50 PERCENT USEABLE COVERAGE.
AREA 4 -- 90 PERCENT USEABLE COVERAGE.
AREA 6 -- 80 PERCENT USEABLE COVERAGE.
AREA 8 -- 40 PERCENT USEABLE COVERAGE.

25X1D [redacted]

HOLGUIN MILITARY CAMP CU 2053N 07613W

OB -- 40 FA PIECES, 6 PROBABLE AAA PIECES, 164 CARGO TRUCKS, AND 8 UTILITY TRUCKS.
(CAMP 2.2 NM SE) -- 21 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1D [redacted]

HOLGUIN MILITARY CAMP NW CU 2057N 07616W

OB -- 1 TANK/SP GUN, 8 AAA PIECES, AND 19 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1D [redacted]

REMEDIOS MILITARY AREA CU 2227N 07935W

OB -- 7 FA PIECES AND 35 CARGO TRUCKS OBSERVED IN CLOUD-FREE AREAS.
NO APPARENT CHANGE IN FACILITIES.

25X1D [redacted]

CAMAGUEY MILITARY CAMP CU 2126N 07753W

OB -- NONE OBSERVED IN CLOUD-FREE AREAS.

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25X1D [redacted] 25X1A

CUABITAS MILITARY CAMP CU 2003N 07548W

OB -- 11 TANKS/SP GUNS, 4 TRACKED PRIME MOVERS, 2 TRACTOR-TRAILER TRUCKS, 2 CARGO TRUCKS, AND 1 UTILITY TRUCK.
NO APPARENT CHANGE IN FACILITIES.

25X1D [redacted]

MINAS MILITARY CAMP CU 2127N 07734W

OB -- 16 TANKS/SP GUNS AND 17 CARGO TRUCKS.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE AND 1 OCCUPIED 3-GUN AAA SITE.
NO APPARENT CHANGE IN FACILITIES.

25X1D [redacted]

OFELIA MILITARY CAMP CU 2006N 07530W

OB -- 11 TANKS/SP GUNS, 45 FA PIECES, 27 AAA PIECES, 16 MORTARS, 78 CARGO TRUCKS, AND 7 OTHER VEHICLES.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN FACILITIES.

25X1D [redacted]

PUERTO PADRE MILITARY AREA CU 2111N 07639W

OB -- 3 TANKS/SP GUNS, 6 MORTARS, AND 30 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1D [redacted]

SANTIAGO DE CUBA MILITARY CAMP NW CU 2003N 07554W

OB -- 5 FA PIECES, 3 AAA PIECES, 9 PROBABLE MORTARS, 33 CARGO TRUCKS, AND 2 OTHER VEHICLES.
NO APPARENT CHANGE IN FACILITIES.

25X1D [redacted]

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25X1A

SANTIAGO DE CUBA MILITARY CAMP CU 2003N 07553W

OB -- 48 FA PIECES, 28 AAA PIECES, 12 MORTARS, 77 CARGO TRUCKS, 7 VAN TRUCKS, 1 TANK TRUCK, 6 UTILITY TRUCKS, AND 13 OTHER VEHICLES.
ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.
NO APPARENT CHANGE IN FACILITIES.

25X1D

PURIAL DE JIBACOA MILITARY CAMP CU 2007N 07700W

OB -- 2 CARGO TRUCKS.
NO APPARENT CHANGE IN FACILITIES.

25X1D

IMIAS LANDING BEACH CU 2005N 07440W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1D

GANUZA LANDING BEACH CU 2305N 08030W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1D

CAYO DE SABINAL LANDING BEACH CU 2144N 07728W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1D

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-STATUS OF OTHER TARGETS-

25X1A

THE FOLLOWING TARGETS SHOW NO APPARENT CHANGE SINCE LAST COVERAGE--

	PUNTA MAISI LOW SIEVE RADAR SITE	2014N 07409W
	LA QUINTA MILITARY CAMP	2002N 07551W
	SIBONEY LANDING BEACH	1957N 07542W
	PLAYA YATERITAS LANDING BEACH	1958N 07457W
	MAR VERDE LANDING BEACH	1957N 07556W
	NICARO LANDING BEACH	2042N 07533W
	MOA (PUNTA GORDA) LANDING BEACH	2039N 07453W
	MOA (CANANOVA) LANDING BEACH	2039N 07502W

25X1A

THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT NOT INTERPRETED--

	SANTA CLARA SAM SITE A34-2	2229N 08000W
	CAMILO CIENFUEGOS AIRFIELD	2229N 07956W
	DOS CAMINOS MILITARY CAMP	2014N 07547W
	CORRALILLO MILITARY AREA	2301N 08038W
	SANTA CLARA ARTILLERY TRAINING AREA	2222N 08000W
	SANTA CLARA MILITARY ACTIVITY	2220N 07957W
	SANTA CLARA MILITARY CAMP SOUTH	2222N 07958W
	LAS MERCEDES VEHICLE PARK	2224N 08001W
	LA CHARCA MILITARY ACTIVITY	2246N 08036W
	CIENFUEGOS MILITARY ACTIVITY	2209N 08027W

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